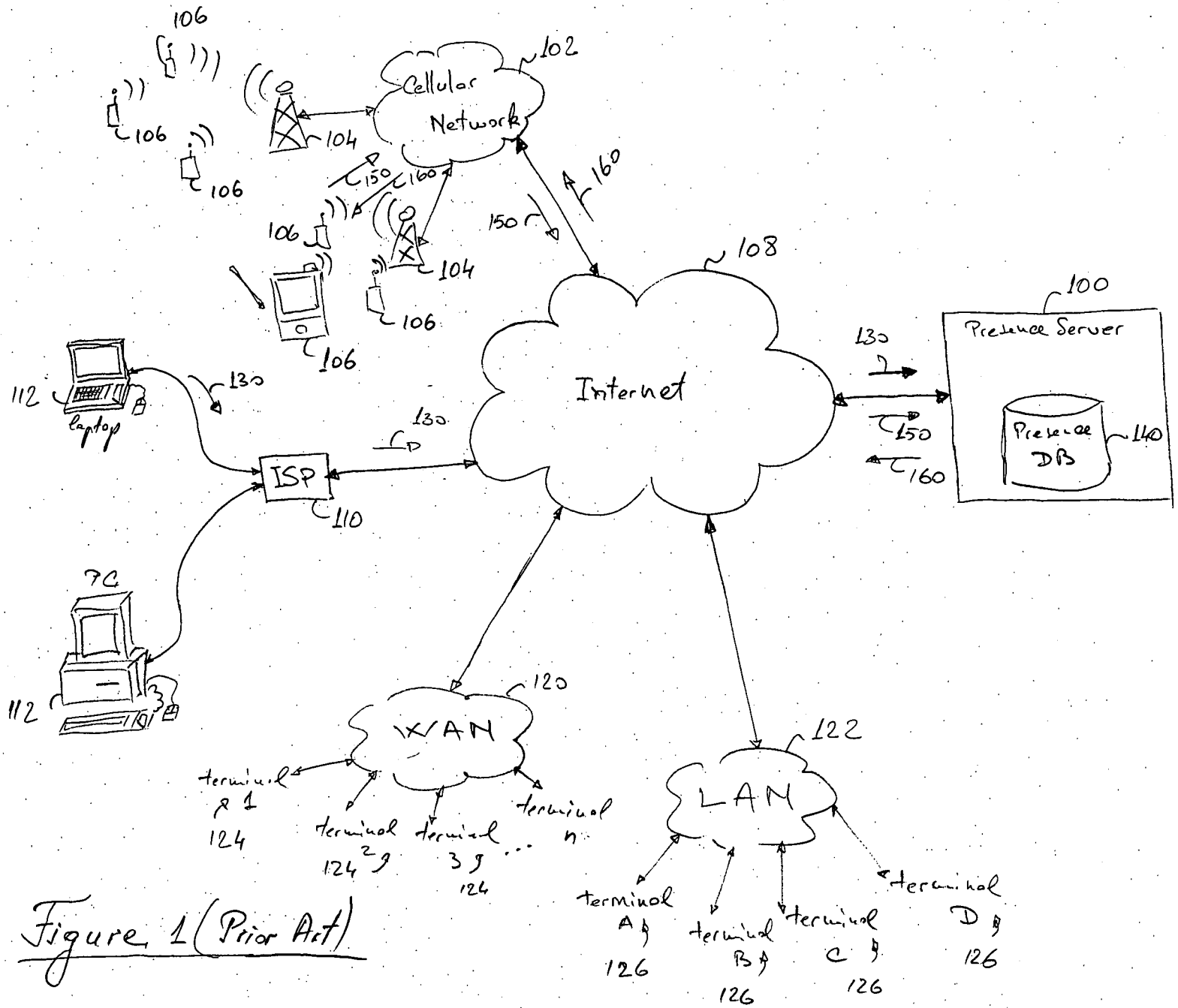

Figure 1 (Prior Art)

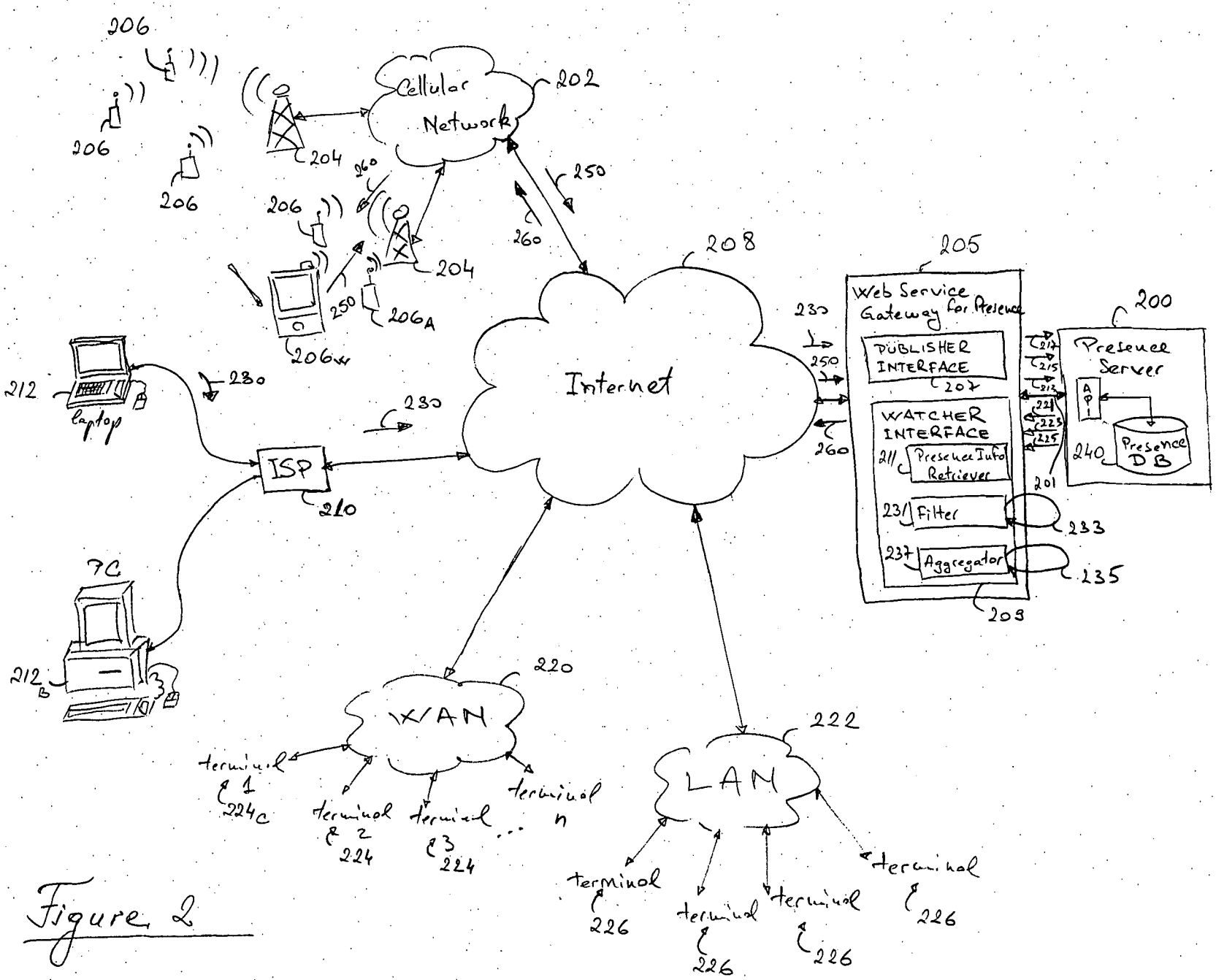
206
206
206
Cellular Network
202
204
260
250
206
204
206A
206W
250
260
208
205
Web Service Gateway for Presence
230
250
260
PUBLISHER INTERFACE
207
WATCHER INTERFACE
211
Presence Info Retriever
231
Filter
233
237
Aggregator
235
209
200
Presence Server
API
240
Presence DB
201
214
215
216
221
223
225
212
laptop
230
230
ISP
210
Internet
7C
212B
220
WAN
222
LAN
terminal 1
224C
terminal 2
224
terminal 3
224
terminal n
terminal
226
terminal
226
terminal
226
terminal
226

Figure 2

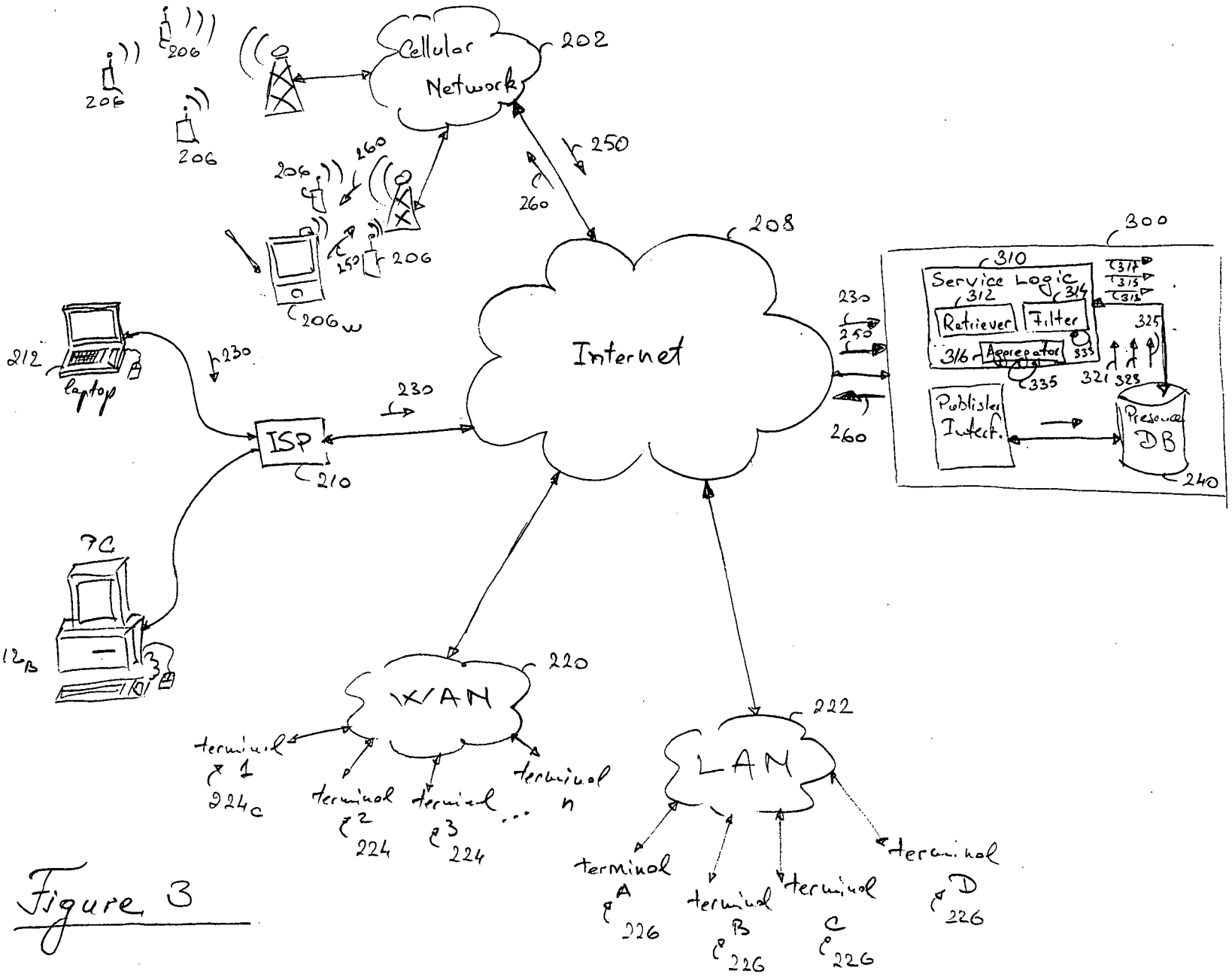
Cellular Network
202
206
206
206
206
206
206 W
260
250
260
250
208
Internet
300
310
Service Logic
312
Retriever
314
Filter
316
Aggregator
335
325
321
328
Publisher Interf.
Presence DB
240
230
250
260
212
laptop
230
230
ISP
210
PC
212B
220
WAN
terminal 1
224C
terminal 2
224
terminal 3
224
terminal n
222
LAN
terminal A
226
terminal B
226
terminal C
226
terminal D
226

Figure 3

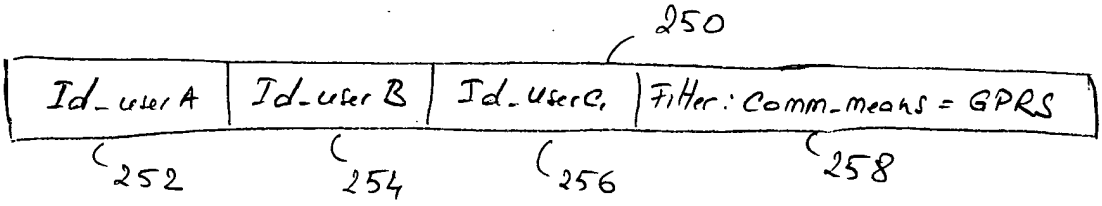

Figure 4

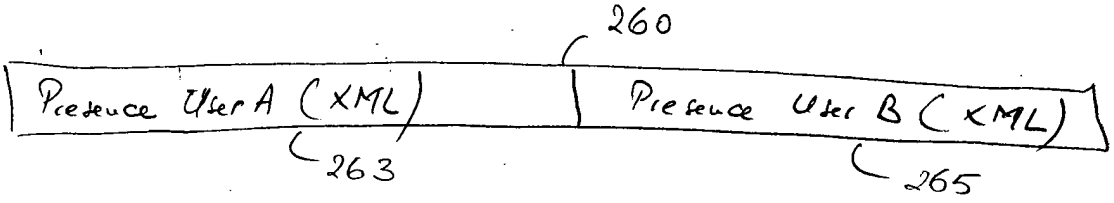

Figure 5

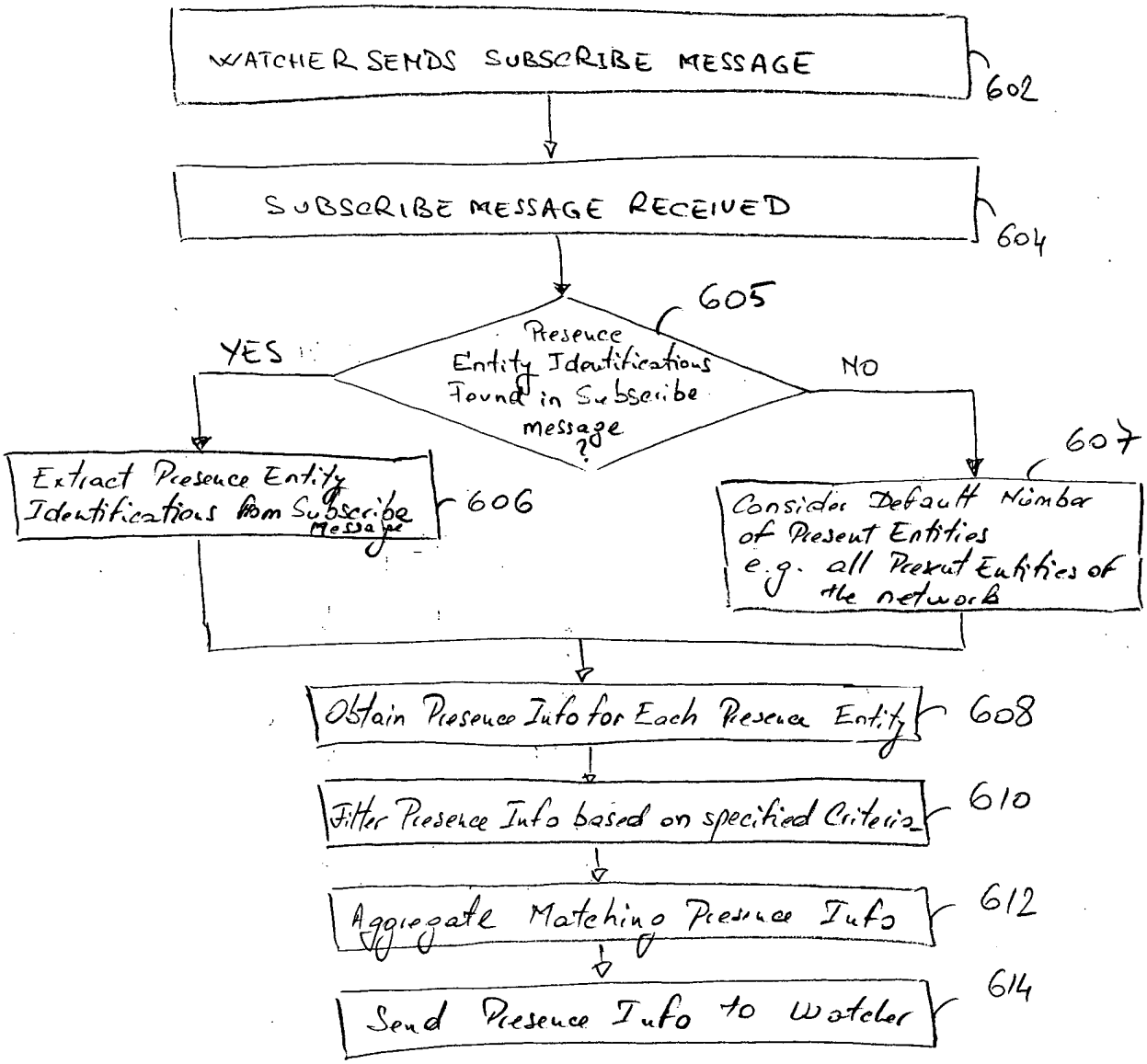
WATCHER SENDS SUBSCRIBE MESSAGE
602
SUBSCRIBE MESSAGE RECEIVED
604
605
Presence Entity Identifications Found in Subscribe message ?
YES
NO
Extract Presence Entity Identifications from Subscribe Message
606
607
Consider Default Number of Present Entities e.g. all Present Entities of the network
Obtain Presence Info for Each Presence Entity
608
Filter Presence Info based on specified Criteria
610
Aggregate Matching Presence Info
612
Send Presence Info to Watcher
614

Figure 6